

## Table of Contents

	<b>Page</b>
<b>Acknowledgements .....</b>	i
<b>Chapter 1 — Introduction and Vision.....</b>	1-1
<b>Chapter 2 — Existing Roadway and Highway Conditions.....</b>	2-1
<b>Chapter 3 — Future Roadway and Highway Conditions .....</b>	3-1
<b>Chapter 4 — Environmental Screening.....</b>	4-1
<b>Chapter 5 — Thoroughfare and Collector Street Planning .....</b>	5-1
<b>Chapter 6 — Bicycle and Pedestrian Element.....</b>	6-1
<b>Chapter 7 — Transit Element.....</b>	7-1
<b>Chapter 8 — Freight Element.....</b>	8-1
<b>Chapter 9 — Aviation Element .....</b>	9-1
<b>Chapter 10 — Management Strategies .....</b>	10-1
<b>Chapter 11 — Planning Assumptions and Air Quality Conformity .....</b>	11-1
<b>Chapter 12 — Financial Plan .....</b>	12-1
<b>Chapter 13 —Action Plan .....</b>	13-1

**Appendix A — Air Quality Conformity Report**

**Addendum 1 — Air Quality Conformity Technical Documentation**

**Appendix B — Public Involvement Results and Public Comments**

## Figures, Tables, and Maps

<b>Figures</b>	<b>Page</b>
<b>2.1</b> – 2002 VMT by Functional Class .....	2-11
<b>2.2</b> – 2002 VMT Share by Functional Class.....	2-12
<b>2.3</b> – 2002 VHT by Functional Class .....	2-12
<b>2.4</b> – 2002 VHT Share by Functional Class .....	2-13
<b>2.5</b> – 2000 “Average Speed” by Functional Class.....	2-13
<b>2.6</b> – 2002 VMT Share by V/C Ratio .....	2-15
<b>2.7</b> – 2002 VMT by V/C Ratio by Functional Class .....	2-15
<b>2.8</b> – 2002 Congested VMT by Functional Class.....	2-16
<b>2.9</b> – 2002 Percent Congested VMT by Functional Class .....	2-16
<b>3.1</b> – 2002 vs. 2030 E+C: Daily VMT by Functional Class.....	3-6
<b>3.2</b> – 2002 vs. 2030 E+C: Daily VHT by Functional Class.....	3-7
<b>3.3</b> – Comparison of 2030 Alternatives – Daily Vehicle Miles of Travel .....	3-14
<b>3.4</b> – Comparison of 2030 Alternatives – Daily Vehicle Hours of Travel.....	3-15
<b>3.5</b> – Comparison of 2030 Alternatives – Over Capacity VMT .....	3-15
<b>3.6</b> – Comparison of 2030 Alternatives – Over Capacity Lane-Miles.....	3-16
<b>5.1</b> – Connectivity and Collector Streets .....	5-8
<b>5.2</b> – Collector Street Spacing Guidelines .....	5-10
<b>6.1</b> – Public Involvement: Priority LRTP Topics.....	6-2
<b>6.2</b> – 2000 NC Pedestrian Accident Rates.....	6-5
<b>7.1</b> – Transit Ridership .....	7-7
<b>8.1</b> – 2002 US Freight Tonnage by Mode .....	8-1
<b>8.2</b> – 2002 US Freight Ton-Miles by Mode .....	8-2
<b>8.3</b> – US Freight Trend Comparison by Mode.....	8-3

<b>Tables</b>	<b>Page</b>
<b>2.1</b> – 2002 Travel and Network Absolute Characteristics by Functional Class.....	2-14
<b>2.2</b> – 2002 Travel and Network Relative Characteristics by Functional Class .....	2-14
<b>2.3</b> – 2002 Vehicle Miles Traveled by V/C Ratio.....	2-17
<b>2.4</b> – 2002 Lane-Miles by V/C Ratio .....	2-17
<b>2.5</b> – 2002 Vehicle Miles Traveled Breakdown by Functional Class.....	2-18
<b>2.6</b> – 2002 Lane-Mile Breakdown by Functional Class.....	2-18

***Greensboro Urban Area***  
***2030 Long Range Transportation Plan***

---

<b>2.7</b> – 2002 Vehicle Miles Traveled Breakdown by V/C Ratio.....	<b>2-19</b>
<b>2.8</b> – 2002 Lane-Mile Breakdown by V/C Ratio .....	<b>2-19</b>
<b>2.9</b> – 2002 Percentage of All Vehicle Miles Traveled by V/C Ratio and Functional Class .....	<b>2-20</b>
<b>2.10</b> – 2002 Percentage of All Lane-Miles by V/C Ratio and Functional Class.....	<b>2-20</b>
<b>2.11</b> – Greensboro Safety Program Improvements List.....	<b>2-22</b>
<b>3.1</b> – Daily Vehicle Miles of Travel .....	<b>3-5</b>
<b>3.2</b> – Daily Vehicle Hours of Travel .....	<b>3-5</b>
<b>3.3</b> – Daily “Average Speeds” (VMT/VHT) .....	<b>3-6</b>
<b>3.4</b> – Comparison of 2030 Alternatives – Daily Vehicle Miles of Travel .....	<b>3-11</b>
<b>3.5</b> – Comparison of 2030 Alternatives – Daily Vehicle Hours of Travel .....	<b>3-11</b>
<b>3.6</b> – Comparison of 2030 Alternatives – Lane-Miles .....	<b>3-12</b>
<b>3.7</b> – Comparison of 2030 Alternatives – Over Capacity VMT .....	<b>3-13</b>
<b>3.8</b> – Comparison of 2030 Alternative – Lane-Miles Over Capacity .....	<b>3-13</b>
<b>3.9</b> – Comparison of 2030 Alternatives – “Average Speed” .....	<b>3-13</b>
<b>3.10</b> – 2004 Base Year Roadway Projects.....	<b>3-17</b>
<b>3.11</b> – 2014 Roadway Projects .....	<b>3-19</b>
<b>3.12</b> – 2020 Roadway Projects .....	<b>3-23</b>
<b>3.13</b> – 2030 Roadway Projects .....	<b>3-25</b>
<b>3.14</b> – Exempt Projects List.....	<b>3-28</b>
<b>4.1</b> – Roadway Projects 2014 Horizon Year Environmental Screening .....	<b>4-7</b>
<b>4.2</b> – Roadway Projects 2020 Horizon Year Environmental Screening .....	<b>4-9</b>
<b>4.3</b> – Roadway Projects 2030 Horizon Year Environmental Screening .....	<b>4-10</b>
<b>5.1</b> – Changes to Roadway Elements in the Proposed Thoroughfare Plan.....	<b>5-3</b>
<b>5.2</b> – Changes to Intersection Elements in the Proposed Thoroughfare Plan .....	<b>5-6</b>
<b>6.1</b> – Most Common Roads for Pedestrian Crashes.....	<b>6-6</b>
<b>6.2</b> – Projected Expenditures .....	<b>6-8</b>
<b>7.1</b> – Transit Costs and Revenues .....	<b>7-5</b>
<b>7.2</b> – Potential Revenue Sources for Mobility Greensboro .....	<b>7-10</b>
<b>7.3</b> – Regional Corridors: Speed and Travel Time .....	<b>7-14</b>
<b>7.4</b> – Corridor Ridership.....	<b>7-15</b>
<b>10.1</b> – Centerline Miles for Existing and Future Conditions.....	<b>10-1</b>
<b>11.1</b> – Socioeconomic Forecasts.....	<b>11-1</b>
<b>11.2</b> – Emissions Comparison Summary for Greensboro and High Point Transportation Networks .....	<b>11-4</b>

***Greensboro Urban Area  
2030 Long Range Transportation Plan***

---

<b>12.1 — Greensboro Urban Area 2030 Transportation Plan</b>	
Revenue Forecast Summary.....	12-2
<b>12.2 — Greensboro Urban Area 2030 Transportation Plan</b>	
Cost Summary.....	12-2
<b>12.3 — Roadway Costs and Revenues .....</b>	12-3
<b>12.4 — Transit Costs and Revenues .....</b>	12-4
<b>12.5 — Pedestrian and Bicycle Costs and Revenues .....</b>	12-4
<b>12.6 — Roadway Projects 2004 Horizon Year with Project Costs .....</b>	12-9
<b>12.7 — Roadway Projects 2014 Horizon Year with Project Costs .....</b>	12-10
<b>12.8 — Roadway Projects 2020 Horizon Year with Project Costs .....</b>	12-13
<b>12.9 — Roadway Projects 2030 Horizon Year with Project Costs .....</b>	12-14
<b>12.10 — Non-Capacity Roadway Project Summary.....</b>	12-15
<b>12.11 — Estimated GTA Transit Costs.....</b>	12-16
<b>12.12 — Estimated PART Express Bus Costs.....</b>	12-17
<b>12.13 — Estimated PART Rail Costs .....</b>	12-18
<b>12.14 — Estimated Pedestrian and Bicycle Costs and Revenues .....</b>	12-20

<b>Maps</b>	<b>Page</b>
<b>1.1 — Planning Area .....</b>	1-3
<b>2.1 — System-Wide V/C Deficiency.....</b>	2-8
<b>3.1 — Horizon Year 2004 Projects .....</b>	3-18
<b>3.2 — Horizon Year 2014 Projects.....</b>	3-22
<b>3.3 — Horizon Year 2020 Projects .....</b>	3-24
<b>3.4 — Horizon Year 2030 Projects .....</b>	3-27
<b>4.1 — Environmental Features .....</b>	4-3
<b>4.2 — Social Features and Historic Districts .....</b>	4-4
<b>4.3 — Minority Population Distribution Horizon Year Projects .....</b>	4-14
<b>4.4 — Low Income Population Distribution Horizon Year Projects .....</b>	4-15
<b>4.5 — Hispanic Population Distribution Horizon Year Projects .....</b>	4-16
<b>4.6 — Minority Population Distribution Planned GTA and PART Services .....</b>	4-21
<b>4.7 — Hispanic Population Distribution Planned GTA and PART Services.....</b>	4-22
<b>4.8 — Low Income Population Distribution Planned GTA and PART Services .....</b>	4-23
<b>5.1 — Thoroughfare Plan .....</b>	5-7
<b>5.2 — Draft Collector Street Plan .....</b>	5-13
<b>6.1 — Existing and Planned Sidewalks.....</b>	6-4

*Greensboro Urban Area  
2030 Long Range Transportation Plan*

---

<b>6.2 — Existing and Proposed Greenway Trails .....</b>	<b>6-7</b>
<b>7.1 — Existing Transit Services .....</b>	<b>7-2</b>
<b>7.2 — Planned GTA and PART Services .....</b>	<b>7-6</b>
<b>10.1 — IMAP Regional Coverage .....</b>	<b>10-6</b>